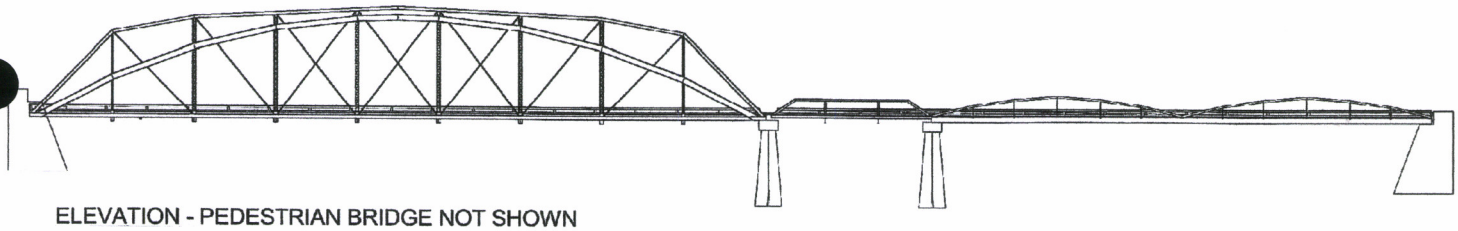
EXHIBIT 1
DATE 02/20/2013
HB Joint Approps SUB Natural Resources and Transportation

MACLAY BRIDGE REHABILITATION

An Affordable Alternative
to the
Maclay Bridge Planning Study

The benefits of refurbishing the existing bridge include:

- Costs a fraction of any new bridge.
- Adds a separate pedestrian & bike bridge.
- Is consistent with Target Range Neighborhood Plan.
- Increases the load limit to more than 25 tons – adequate for all emergency vehicles and busses.
- Preserves the existing historic neighborhood bridge.
- Keeps traffic, noise, & pollution at a tolerable level.
- The *total* cost of any new bridge will be significantly more than the *Planning Study* suggests.
- Local taxpayers will be responsible for the additional infrastructure costs of any new bridge.



ELEVATION - PEDESTRIAN BRIDGE NOT SHOWN

OUTLINE FOR TESTIMONY
MDT BUDGET HEARINGS RELATED TO MACLAY BRIDGE

1. Introduction

2. Off-system Bridge Funding related to Maclay Bridge

3. Request favorable funding assistance for rehabilitation & upgrade.

4. Background:
   - ❖ 1935 - Bridge constructed
   - ❖ 1993 - First attempt to replace the bridge failed.
   - ❖ 2002 - Missoula County re-applied for off-system funding.
   - ❖ 2004 - Deck replaced.
   - ❖ 2009 - Target Range residents organized and wrote a neighborhood plan. Self written over a 2 year period.
     a) Had no knowledge of renewed application for replacement.
     b) Goal was to preserve the rural character of the area.
     c) Preserve Maclay Bridge and maintain it as a neighborhood focal point.
     d) The bridge provides an efficient and historical traffic calming system to an area served by 2 other modern bridges. (See map)
     e) The Plan was approved by over 80% of area residents.
   - ❖ 2011 - This Plan was approved and signed by all Missoula County Commissioners. It became a part of Missoula Growth Policy.
   - ❖ 2011 - Less than 2 months later county and state engineers were discovered under Maclay Bridge discussing its replacement.
   - ❖ Maclay Bridge Alliance was born.
     a) We researched Missoula County records
     b) Recent inspection reports showed the bridge was structurally sound but in need of maintenance.
     c) We carried an advisory petition, signed by more than 1100 Missoula County residents to halt the replacement process.

- ❖ 2012 - Missoula County, MDT, and FHWA formed a partnership to conduct a Pre-NEPA/MEPA Study on the Project.
- ❖ During study we were repeatedly told that while federal funding was available for a replacement bridge, it was not available for rehabilitation because the bridge can not be brought up to current standards.
- ❖ Our recent research shows that federal funding is available for rehabilitation of historic bridges under a design exception rule found in federal law. Title 23 US Code Section 144(o) encourages rehabilitation because it is less expensive.
- ❖ A subsection of this law says rehabilitation must be brought up to state and local standards to be eligible.
- ❖ Rehabilitation is being blocked by self-imposed standards.
- ❖ The environmental study, design, and construction of a new 2-lane replacement bridge is estimated to cost $7.3 million.
- ❖ The existing bridge can be rehabilitated, strengthened, and include a separated pedestrian crossing for under $1 million.

5. As a representative of Maclay Bridge Alliance, we are asking that funding be provided, if available, for the rehabilitation and upgrade of the existing bridge. We further ask that all funds be denied for any replacement bridge.

Thank you,

Bob Schweitzer
11905 Greenacres Rd.
Missoula, MT 59804

Ph 406-544-9066

Maclay Bridge Rehabilitation Cost Estimates				
Description	Quanity	Unit	Unit Price	Total
1. Tied Arch and Connections	62,000.00	LB	$ 2.80	$ 173,600.00
2. DWIDAG Ties, 1 3/8 A722	740.00	LF	$ 5.00	$ 3,700.00
3. Pony Truss Floor Beams (S18x54.7)	1,887.15	LB	$ 2.00	$ 3,774.30
4. Concrete Bridge Arch	15,200.00	LB	$ 2.50	$ 38,000.00
5. Saw Cut Existing (43 LF)	1.00	LS	$ 2,000.00	$ 2,000.00
6. Parker Truss Bearings	4.00	EA	$ 2,500.00	$ 10,000.00
Sub Total				$ 231,074.30
Mobilization (8%)				$ 18,485.94
Contingency (10%)				$ 24,956.02
Total Estimated Rehabilitation				**$ 274,516.27**

Maclay Pedestrian Bridge Cost Estimates				
Description	Quanity	Unit	Unit Price	Total
1. Steel Pipe Pile	440.00	LF	$ 46.00	$ 20,240.00
2. Drive Pile	424.00	LF	$ 10.00	$ 4,240.00
3. Class DD Concrete	127.72	CY	$ 600.00	$ 76,632.00
4. Class S Concrete	82.58	CY	$ 550.00	$ 45,419.00
5. Reinforcing Steel	17,500.00	LB	$ 1.50	$ 26,250.00
6. Pedestrian Bridge, 180 ft (section 1)	1.00	EA	$ 215,000.00	$ 215,000.00
7. Pedestrian Bridge, 150 ft (section 2)	1.00	EA	$ 180,000.00	$ 180,000.00
8. Pedestrian Bridge Installation	2.00	LS	$ 10,000.00	$ 20,000.00
Sub Total				$ 587,781.00
Mobilization (8%)				$ 47,022.48
Contingency (10%)				$ 63,480.35
Total Estimated Pedestrian Bridge				**$ 698,283.83**
			Total Project Cost	**$ 972,800.10**

These costs include the following:

- Maclay Bridge Rehabilitation to increase the load limit to 25+ tons
- Corrects any "fracture critical" design issues
- A separate pedestrian & bike bridge

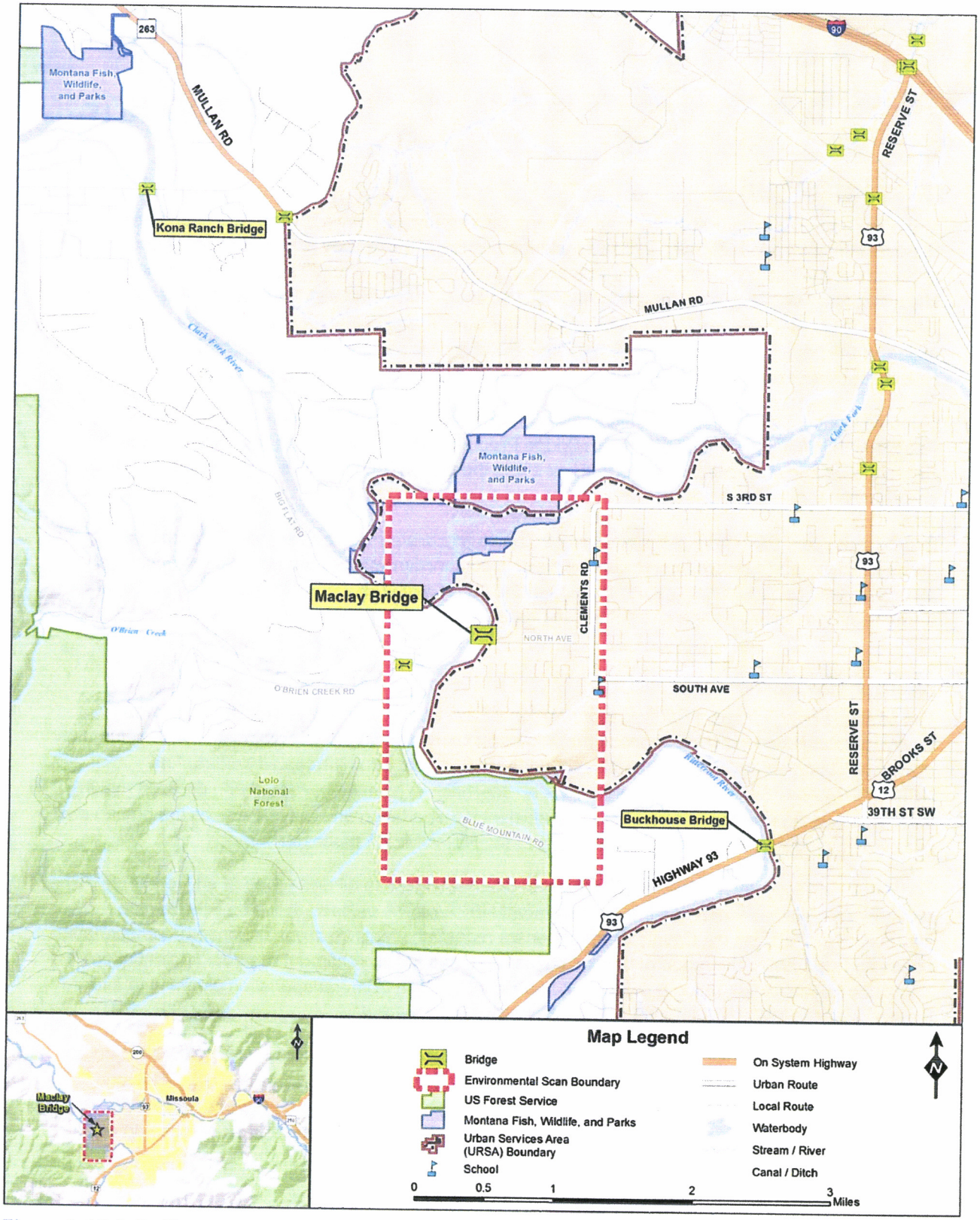


Figure 1: Vicinity Map

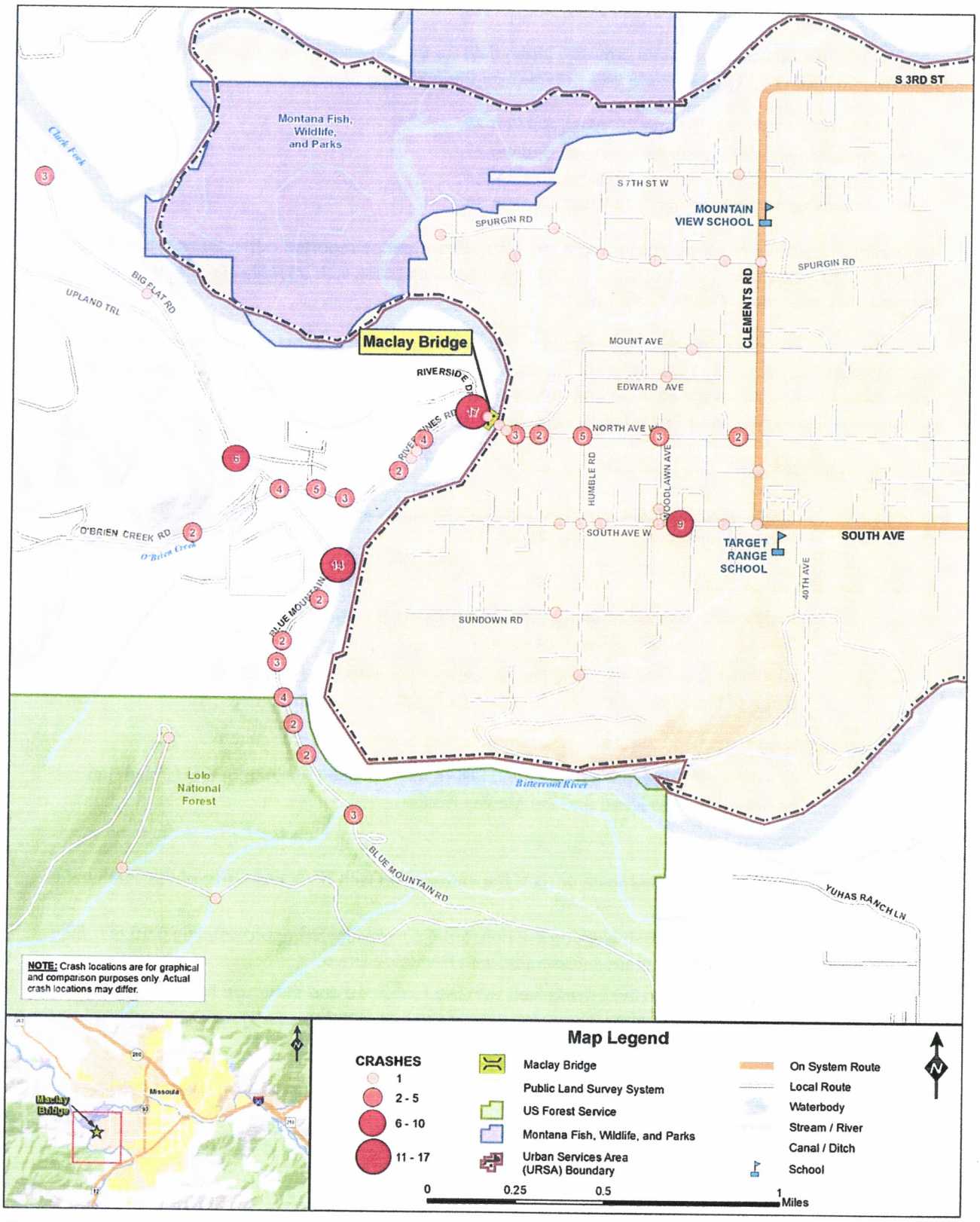


Figure 3: Crash Locations (01/01/2002 – 12/31/2011)